Title (en)

PHOTOELECTRIC CONVERTING APPARATUS

Publication

EP 0274236 A3 19880720 (EN)

Application

EP 87310803 A 19871209

Priority

- JP 625387 A 19870116
- JP 29158986 A 19861209
- JP 29159086 A 19861209

Abstract (en)

[origin: EP0274236A2] A photoelectric converting cell has a control electrode region of a semiconductor transistor (S1). The carriers generated in the control electrode region by the light excitation are accumulated, and the accumulation voltage generated by this accumulation is read out from one of the main electrode regions of the semiconductor transistor. The control electrode region is connected to an excess carrier eliminating circuit (D1, Lrh, Ve) to perform the switching operation in dependence on the potential difference across the control electrode region.

IPC 1-7

H01L 27/14

IPC 8 full level

H01L 27/146 (2006.01); **H04N 25/00** (2023.01)

CPC (source: EP US)

H01L 27/14681 (2013.01 - EP US); **H04N 3/1568** (2023.08 - US); **H04N 25/621** (2023.01 - EP US); **H04N 25/701** (2023.01 - EP US); **H04N 25/76** (2023.01 - EP US)

Citation (search report)

- [XD] EP 0132076 A1 19850123 - OHMI TADAHIRO [JP]
- [X] DE 3345176 A1 19840614 - OLYMPUS OPTICAL CO [JP], et al
- [E] EP 0253678 A2 19880120 - CANON KK [JP]
- [A] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 340 (E-455)[2396], 18th November 1986; & JP-A-61 144 062 (CANON INC.) 01-07-1986

Cited by

EP0488174A3; US5283428A

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0274236 A2 19880713; **EP 0274236 A3 19880720**; **EP 0274236 B1 19981007**; DE 3752224 D1 19981112; DE 3752224 T2 19990422; DE 3752235 D1 19981224; DE 3752235 T2 19990429; EP 0667707 A2 19950816; EP 0667707 A3 19950906; EP 0667707 B1 19981118; US 4866293 A 19890912

DOCDB simple family (application)

EP 87310803 A 19871209; DE 3752224 T 19871209; DE 3752235 T 19871209; EP 95200738 A 19871209; US 12894987 A 19871204